

Weekly Coal Production

Production for Week Ended:
October 27, 1990



Export/Import
Supplement

Preface

The *Weekly Coal Production (WCP)* provides weekly estimates of U.S. coal production by State. Supplementary data are usually published monthly in two supplements: the Coal Exports and Imports Supplement and the Domestic Market Supplement. This week's Coal Exports and Imports Supplement contains detailed monthly data on U.S. coal and coke exports and imports. The Domestic Market Supplement contains detailed monthly electric utility coal statistics, by Census Division and State, for generation, consumption, stocks, receipts, sulfur content, prices, and the origin and destination of coal shipments. This supplement also contains summary-level, monthly data for all coal-consuming sectors on a quarterly basis.

Preliminary coal production data are published quarterly, based on production data collected using Form EIA-6, "Coal Distribution Report." Based on 1988 data, the coal estimation error for a quarter at the national level (i.e., the difference between the sum of the weekly estimates for a quarter and the quarterly EIA-6 preliminary data) ranges from 1 percent to 4 percent.

Final coal production data are published annually, based on the EIA-7A coal production survey. Based on 1988 data, the revision error for a quarter at the national level (i.e., the difference between the EIA-6 preliminary data and the EIA-7A final data) ranges from 0.02 percent to 0.08 percent.

This publication is prepared by the Coal Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA) to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (P.L. 93-275) as amended. *Weekly Coal Production* is intended for use by industry, press, State and local governments, and consumers. Other publications that may be of interest are the quarterly *Coal Distribution*, the *Quarterly Coal Report*, *Coal Production 1988*, and *Coal Data: A Reference*.

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Distribution Category UC-98

Released for printing November 2, 1990

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Summary

U.S. coal production in the week ended October 27, 1990, as estimated by the Energy Information Administration, totaled 22 million short tons. This was slightly higher than production in the previous week, and in the comparable week in 1989. Production east of the Mississippi River totaled 13 million short tons, and production west of the Mississippi River totaled 8 million short tons.

U.S. coal exports in August 1990 rose to 10 million short tons, the highest monthly level in nearly 2 years. This raised the total coal exported in the first 8 months of 1990 to 69 million short tons, which was 5 million short tons more than in the corresponding period of 1989. The three principal destinations, together receiving more than a third of the total, were Canada, Japan, and Italy. Compared with the January-August period in 1989, shipments to Canada and Japan were down by 7 and 12 percent, respectively, whereas those to Italy were relatively unchanged. The largest tonnage increases were to Belgium and Luxembourg, France, and the Netherlands.

Metallurgical coal exports, the mainstay of U.S. coal exports, totaled 43 million short tons in the first 8 months of 1990, the same amount as a year earlier. Japan was the largest importer, receiving 7 million short tons. This was 12 percent less than in the same period in 1989, and was attributable mostly to competition from Australian and Canadian coal. Italy was the second-largest importer, receiving nearly 5 million short tons, slightly more than in the first 8

months of 1989. Other large importers of U.S. metallurgical coal were Belgium and Luxembourg, Brazil, and France. Shipments to Canada were about one-fourth lower, reflecting a decline in the country's steel production.

Steam coal exports from January through August 1990 amounted to 27 million short tons. This was 5 million short tons more than in the comparable period in 1989, and accounted for virtually all of the rise in total U.S. coal exports in the first 8 months of 1990. Canada was by far the principal destination, receiving over 6 million short tons, slightly higher than in the same period of 1989. Other major destinations were Italy, Taiwan, and the Netherlands.

The value of U.S. coal exports from January through August 1990 was \$3 billion, based on an average price of \$42.73 per short ton. The port of Norfolk handled 36 million short tons of coal exports, about half of the total.

U.S. coal imports in August 1990 amounted to 120,000 short tons, the lowest monthly level since January 1989. In the first 8 months of 1990, coal imports totaled nearly 2 million short tons, 6 percent less than in the same period a year earlier. More than half of the coal was imported from Colombia, and over one-third was from Canada. Total coal imports were valued at \$59 million, based on an average price of \$33.94 per short ton.

Figure 1. Coal Production

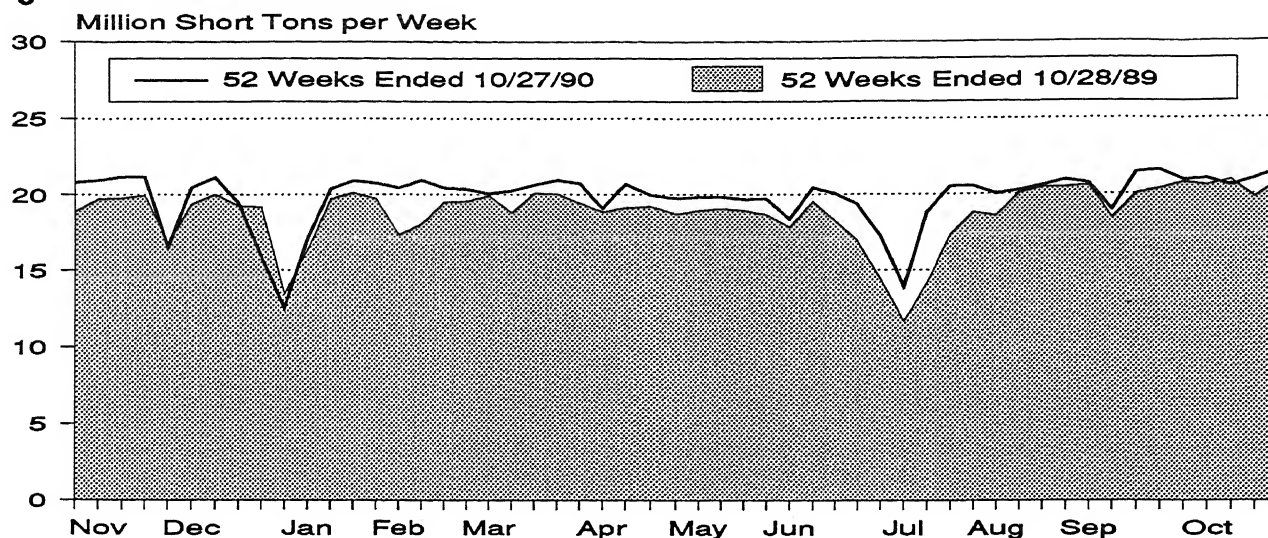


Table 1. Coal Production

	Week Ended			52 Weeks Ended		
Production and Carloadings	10/27/90	10/20/90	10/28/89	10/27/90	10/28/89	Percent Change
Production (Thousand Short Tons)						
Bituminous ¹ and Lignite	21,497	20,956	20,743	1,028,077	975,506	5.4
Pennsylvania Anthracite	85	71	69	3,288	3,406	-3.5
U.S. Total	21,582	21,027	20,812	1,031,365	978,912	5.4
Railroad Cars Loaded	137,635	134,131	133,570	6,652,965	6,383,304	

¹Includes subbituminous coal.

Notes: 1990 data are preliminary. Totals may not equal sum of components due to independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and State mining agency coal production reports.

Table 2. Coal Production by State
(Thousand Short Tons)

Region and State	Week Ended		
	10/27/90	10/20/90	10/28/89
Bituminous Coal¹ and Lignite			
East of the Mississippi	13,247	12,741	12,876
Alabama	593	573	644
Illinois	1,156	1,049	1,174
Indiana	978	911	740
Kentucky	3,403	3,420	3,614
Kentucky, Eastern	2,553	2,493	2,694
Kentucky, Western	850	927	919
Maryland	63	62	69
Ohio	745	694	738
Pennsylvania Bituminous	1,690	1,561	1,434
Tennessee	140	133	155
Virginia	982	935	872
West Virginia	3,497	3,404	3,436
West of the Mississippi	8,250	8,214	7,866
Alaska	31	31	43
Arizona	264	258	245
Arkansas	2	2	2
California	-	-	15
Colorado	440	441	355
Iowa	8	8	7
Kansas	25	25	25
Louisiana	76	53	76
Missouri	62	61	76
Montana	718	723	794
New Mexico	532	513	502
North Dakota	592	595	592
Oklahoma	40	38	33
Texas	1,205	1,175	1,091
Utah	503	494	410
Washington	108	106	107
Wyoming	3,642	3,693	3,492
Bituminous¹ and Lignite Total	21,497		
Pennsylvania Anthracite	85		
U.S. Total	21,582		

¹Includes subbituminous coal.

Notes: 1990 data are preliminary. Totals may not equal sum

Sources: Association of American Railroads, Transportation I
Administration, Form EIA-6, "Coal Distribution Report"; Form EIA
coal production reports.

Table 3. Coal Exports and Imports, 1981-1990
(Thousand Short Tons and Dollars per Short Ton)

Year and Month	Exports						Imports	
	Metallurgical		Steam ¹		Total		Quantity	Average Price
	Quantity	Average Price ²	Quantity	Average Price ²	Quantity	Average Price ²		
1981	65,234	\$57.40	47,307	\$45.92	112,541	\$52.57	1,043	\$28.47
1982	64,585	61.07	41,692	49.11	106,277	56.37	742	30.40
1983	49,964	55.49	27,807	46.18	77,772	52.16	1,271	33.59
1984	56,975	52.41	24,508	46.77	81,483	50.72	1,286	35.37
1985	60,313	50.46	32,367	43.92	92,680	48.18	1,952	36.04
1986	54,977	47.81	30,541	42.60	85,518	45.95	2,212	36.02
1987	51,679	44.49	27,928	39.60	79,607	42.77	1,747	32.04
1988								
January	3,449	43.00	984	37.58	4,434	41.80	159	28.57
February	3,458	42.81	1,024	41.16	4,482	42.43	162	27.41
March	5,119	42.95	2,026	39.44	7,145	41.96	221	30.34
April	5,901	43.67	3,042	40.04	8,943	42.44	107	27.24
May	4,953	44.98	2,952	39.35	7,905	42.88	224	43.49
June	4,980	44.82	3,073	38.92	8,053	42.57	257	27.96
July	5,445	44.73	2,858	37.22	8,303	42.15	203	25.34
August	5,389	44.94	3,933	37.42	9,322	41.77	205	27.13
September	6,518	44.34	3,547	36.74	10,066	41.66	29	34.35
October	5,621	44.06	3,389	39.08	9,010	42.19	229	25.55
November	5,563	44.70	2,775	38.47	8,338	42.63	207	31.80
December	5,555	44.17	3,469	39.39	9,023	42.33	131	32.63
Total	61,950	44.17	33,073	38.59	95,023	42.23	2,134	29.96
1989								
January	4,488	43.92	1,818	36.29	6,306	41.72	66	36.14
February	5,298	44.32	1,450	37.14	6,748	42.78	131	31.89
March	6,163	44.17	2,212	36.98	8,375	42.27	334	33.86
April	6,061	44.08	3,042	38.46	9,104	42.20	158	31.46
May	6,303	45.40	3,381	37.40	9,685	42.61	312	32.19
June	5,598	45.82	4,059	38.14	9,657	42.59	218	39.04
July	3,881	45.77	2,328	37.95	6,209	42.84	375	36.65
August	4,925	46.09	3,197	37.30	8,122	42.63	247	33.85
September	5,754	45.94	3,907	37.31	9,661	42.45	303	33.64
October	5,922	45.50	3,371	37.97	9,293	42.77	160	33.20
November	6,026	45.81	3,743	38.05	9,768	42.84	245	31.54
December	4,710	45.65	3,179	37.66	7,888	42.43	303	35.09
Total	65,128	45.19	35,687	37.64	100,815	42.52	2,851	34.14
1990								
January	4,901	45.72	2,547	37.29	7,447	42.84	175	33.01
February	4,381	45.92	1,862	36.36	6,243	43.07	268	35.91
March	6,254	45.78	2,439	38.36	8,693	43.70	292	35.54
April	4,754	45.95	3,836	38.60	8,590	42.67	182	31.45
May	5,643	46.81	4,184	36.50	9,827	42.42	144	34.08
June	5,699	46.35	3,616	36.35	9,316	42.47	348	34.65
July	5,495	46.82	3,698	35.69	9,194	42.34	200	29.58
August	5,598	46.59	4,467	37.57	10,065	42.59	120	35.72
9 Date ...	42,726	46.26	26,649	37.08	69,374	42.73	1,729	33.94
0 Date ...	42,716	44.91	21,488	37.58	64,204	42.46	1,841	34.49

bituminous, subbituminous, lignite, and anthracite.

price of all coal exports in this category.

al may not equal sum of components because of independent rounding.

Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

**Table 4. Coal Exports, August 1990
(Short Tons)**

Continent and Country of Destination	August 1990	July 1990	August 1989	Year to Date		Percent Change
				1990	1989	
North America Total	2,045,996	1,727,662	1,790,255	9,692,681	10,366,783	-6.5
Canada ¹	1,984,517	1,678,159	1,784,420	9,487,414	10,247,612	-7.4
Jamaica	-	17,877	-	34,127	19,854	71.9
Mexico	61,255	30,580	4,503	127,173	51,989	144.6
Other ²	224	1,046	1,332	43,967	47,328	-7.1
South America Total	438,758	530,502	718,825	4,362,129	4,943,630	-11.8
Argentina	-	35,365	11,053	326,477	480,869	-32.1
Brazil	404,550	483,660	589,959	3,722,880	3,897,503	-4.5
Chile	34,208	-	116,311	282,272	555,449	-49.2
Other ²	-	11,477	1,502	30,500	9,809	210.9
Europe Total	5,446,609	4,896,810	3,587,503	39,263,896	32,115,700	22.3
Albania	-	21,676	-	92,900	72,906	27.4
Belgium & Luxembourg	903,096	776,230	247,862	5,936,583	4,496,154	32.0
Bulgaria	-	-	-	87,955	-	-
Denmark	479,067	324,918	333,726	2,068,495	1,960,771	5.5
Finland	46,643	-	-	95,259	51,255	85.9
France	649,835	457,163	494,997	5,311,562	4,117,592	29.0
Greece	136	-	-	579	75,373	-99.2
Ireland	70,388	160,052	68,015	932,320	699,116	33.4
Italy	1,030,786	791,333	965,553	7,868,045	7,799,162	.9
Netherlands	780,786	638,480	530,530	5,063,032	3,906,704	29.6
Norway	12,994	17,756	11,620	123,227	97,931	25.8
Portugal	229,170	295,687	80,892	1,208,002	763,470	58.2
Romania	-	70,807	128,167	1,314,975	572,843	129.6
Spain	398,568	339,404	330,172	2,553,187	2,214,362	15.3
Sweden	77,826	83,973	37,387	417,383	243,912	71.1
Turkey	77,214	419,629	56,408	1,543,033	896,844	72.1
United Kingdom	649,912	238,299	276,101	3,287,846	2,830,933	16.1
West Germany	22,594	105,757	-	713,422	401,444	77.7
Yugoslavia	17,594	149,494	16,208	612,587	866,235	-29.3
Other ²	-	6,152	9,865	33,504	48,693	-31.2
Asia Total	1,919,133	1,813,982	1,907,634	14,661,522	15,229,199	-3.7
China (Taiwan)	119,867	400,147	488,860	3,133,304	2,582,690	21.3
Israel	74,052	88,222	-	504,813	416,082	21.3
Japan	1,380,721	965,820	1,095,073	8,412,767	9,557,246	-12.0
Korea, Republic of	224,474	359,793	322,158	2,489,300	2,605,925	-4.5
Pakistan	-	-	-	-	60,451	-
Other ²	120,019	-	1,543	121,338	6,805	NM
Oceania & Australia Total	958	-	-	-	-	-
Africa Total	213,402	224,836	117,383	-	-	-
Algeria	46,290	44,011	-	-	-	-
Egypt	100,343	48,194	49,503	-	-	-
Other ²	66,769	132,631	67,880	-	-	-
Total	10,064,856	9,193,792	8,121,600	-	-	-

^{NM}Percent change calculation not meaningful as value is greater than 500.

¹Based on the U.S.-Canada Free Trade Agreement, as of January 1990 the U.S. Department of Commerce reports U.S. exports to Canada based on information on imports provided monthly by the Canadian government. U.S. exports to Canada based on information on imports provided monthly by the Canadian government. U.S. exports to Canada based on information on imports provided monthly by the Canadian government. U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

²Includes countries with exports less than or equal to 50,000 short tons in 1989.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 5. Average Price of Coal Exports, August 1990
(Dollars per Short Ton)

Continent and Country of Destination	August 1990	July 1990	August 1989	Year to Date		Percent Change
				1990	1989	
North America Total	\$32.88	\$33.73	\$41.33	\$33.25	\$42.08	-21.0
Canada ¹	32.85	33.64	41.34	33.19	42.13	-21.2
Jamaica	-	30.57	-	30.57	30.57	*
Mexico	33.81	40.23	38.59	37.21	42.14	-11.7
Other ²	34.88	38.66	36.24	36.48	35.79	1.9
South America Total	45.96	47.36	43.71	45.69	44.04	3.7
Argentina	-	46.86	44.74	44.29	44.61	-7
Brazil	46.76	47.69	46.36	46.48	45.46	2.3
Chile	36.61	-	30.17	36.95	30.72	20.3
Other ²	-	34.98	-	35.87	39.76	-9.8
Europe Total	43.33	43.23	42.19	43.81	42.32	3.5
Albania	-	-	-	48.38	43.31	11.7
Belgium & Luxembourg	47.04	42.96	48.94	44.73	43.49	2.9
Bulgaria	-	-	-	49.24	-	-
Denmark	33.56	34.56	32.25	34.29	33.14	3.5
Finland	43.68	-	-	44.72	42.41	5.5
France	42.06	43.45	42.36	42.41	41.37	2.5
Greece	39.99	-	-	39.99	36.30	10.2
Ireland	36.29	39.17	33.61	38.19	37.90	.8
Italy	41.30	45.80	44.30	44.71	43.54	2.7
Netherlands	43.32	42.60	39.91	42.96	40.57	5.9
Norway	-	-	-	-	39.97	-
Portugal	41.51	39.62	39.11	41.14	39.81	3.3
Romania	-	-	45.69	48.07	44.84	7.2
Spain	47.90	40.06	-	46.60	45.78	1.8
Sweden	-	49.75	46.63	48.82	43.27	12.8
Turkey	43.09	46.99	42.60	45.88	43.08	6.5
United Kingdom	47.42	49.21	43.14	47.60	45.29	5.1
West Germany	33.79	32.77	-	40.23	42.41	-5.1
Yugoslavia	-	46.98	-	45.65	43.53	4.9
Other ²	-	-	39.97	39.97	42.88	-6.8
Asia Total	43.96	43.88	42.89	43.15	42.10	2.5
China (Taiwan)	39.36	40.05	37.77	38.44	36.56	5.1
Israel	37.51	36.51	-	38.59	39.04	-1.1
Japan	44.81	45.11	44.24	44.37	43.00	3.2
Korea, Republic of	46.04	46.63	46.15	46.16	44.76	3.1
Other ²	38.91	-	34.99	38.92	37.10	4.9
Oceania & Australia Total	34.98	-	-	35.79	-	-
Global Total	29.94	39.26	36.21	38.03	40.47	-6.0
		47.80	-	46.36	45.64	1.6
		46.45	44.81	45.73	45.60	.3
		29.94	29.94	30.94	31.31	-1.2
		41.68	42.21	42.22	42.32	-2
		42.34	42.63	42.73	42.46	.6

January 1990 the U.S. Department of Commerce began reporting statistics on a monthly basis by the Canadian government. For this reason the quantity for both coal and coke are no longer strictly comparable to the historical U.S.

short tons in 1989.

dependent rounding. Average price is based on the free alongside ship (f.a.s.) to be representative prices for coal exports and fall within the range of \$28

a, "Monthly Report EM 522."

Administration/ Weekly Coal Production

**Table 6. Steam Coal Exports, August 1990
(Short Tons)**

Continent and Country of Destination	August 1990	July 1990	August 1989	Year to Date		Percent Change
				1990	1989	
North America Total	1,231,651	1,021,348	988,618	6,627,068	6,279,411	5.5
Canada ¹	1,170,172	971,845	982,783	6,422,016	6,179,116	3.9
Jamaica	-	17,877	-	34,127	19,854	71.9
Mexico	61,255	30,580	4,503	127,173	51,989	144.6
Other ²	224	1,046	1,332	43,752	28,452	53.8
South America Total	41,792	11,477	117,813	352,419	571,322	-38.3
Argentina	-	-	-	-	337	-
Brazil	7,584	-	-	94,281	5,727	NM
Chile	34,208	-	116,311	227,638	555,449	-59.0
Other ²	-	11,477	1,502	30,500	9,809	210.9
Europe Total	2,535,967	2,015,168	1,329,994	13,977,999	9,991,321	39.9
Belgium & Luxembourg	210,875	413,229	-	1,751,983	561,913	211.8
Bulgaria	-	-	-	39,065	-	-
Denmark	479,067	324,918	205,390	2,012,923	1,832,435	9.8
Finland	-	-	-	-	93	-
France	297,092	71,583	203,492	1,762,043	1,114,609	58.1
Greece	136	-	-	579	75,373	-99.2
Ireland	70,388	160,052	68,015	932,320	529,892	75.9
Italy	540,993	321,229	359,544	2,996,511	3,039,825	-1.4
Netherlands	452,754	296,090	320,129	2,468,247	1,760,438	40.2
Norway	-	17,756	6,446	54,841	32,275	69.9
Portugal	190,646	295,687	80,892	950,356	559,239	69.9
Romania	-	-	-	-	3,293	-
Spain	43,751	242	-	158,724	108,006	47.0
Sweden	-	-	-	-	74,824	-
Turkey	-	8,625	-	16,643	203	NM
United Kingdom	222,851	-	60,013	578,373	154,526	274.3
West Germany	22,594	105,757	-	231,696	76,066	204.6
Yugoslavia	4,820	-	16,208	12,995	32,670	-60.2
Other ²	-	-	9,865	10,700	35,641	-70.0
Asia Total	589,945	573,023	692,634	5,093,247	4,089,067	24.6
China (Taiwan)	119,867	285,581	364,123	2,811,934	2,135,738	31.7
Israel	74,052	88,222	-	504,813	267,265	88.9
Japan	200,133	113,317	326,968	1,174,979	1,299,016	-
Korea, Republic of	75,874	85,903	-	480,183	380,243	-
Other ²	120,019	-	1,543	121,338	6,805	-
Oceania & Australia Total	958	-	-	-	-	-
Africa Total	66,769	77,475	-	-	-	-
Egypt	-	-	-	-	-	-
Other ²	66,769	77,475	-	-	-	-
Total	4,467,082	3,698,491	-	-	-	-

^{NM}Percent change calculation not meaningful as value is greater than 1

¹Based on the U.S.-Canada Free Trade Agreement, as of January 1990. U.S. exports to Canada based on information on imports provided monthly for coal and coke, coal type (metallurgical and steam), and value of both series due to the additional time lag in reporting.

²Includes countries with exports less than or equal to 50,000 short tons.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Energy Review."

Table 7. Average Price of Steam Coal Exports, August 1990
(Dollars per Short Ton)

Continent and Country of Destination	August 1990	July 1990	August 1989	Year to Date		Percent Change
				1990	1989	
North America Total	\$29.82	\$29.53	\$37.95	\$31.10	\$39.52	-21.3
Canada ¹	29.57	29.15	37.95	30.94	39.55	-21.8
Jamaica	-	30.57	-	30.57	30.57	*
Mexico	33.81	40.23	38.59	37.21	42.14	-11.7
Other ²	34.88	38.66	36.24	36.41	35.39	2.9
South America Total	36.61	34.98	30.17	37.29	30.77	21.2
Argentina	-	-	-	-	34.99	-
Brazil	-	-	-	42.44	-	-
Chile	36.61	-	30.17	35.58	30.72	15.8
Other ²	-	34.98	-	35.87	39.76	-9.8
Europe Total	38.54	37.68	36.39	38.34	36.73	4.4
Belgium & Luxembourg	38.97	38.11	-	37.42	33.11	13.0
Bulgaria	-	-	-	48.99	-	-
Denmark	33.56	34.56	29.67	34.29	33.00	3.9
Finland	-	-	-	-	39.68	-
France	35.88	38.92	36.17	37.44	34.53	8.4
Greece	39.99	-	-	39.99	36.30	10.2
Ireland	36.29	39.17	33.61	38.19	38.46	-7
Italy	41.30	40.74	39.64	40.54	39.96	1.4
Netherlands	40.00	35.86	36.72	38.75	36.29	6.8
Norway	-	-	-	-	39.97	-
Portugal	40.08	39.62	39.11	39.88	38.97	2.3
Romania	-	-	-	-	38.78	-
Spain	34.47	40.06	-	34.32	34.34	*
Sweden	-	-	-	-	35.38	-
Turkey	-	39.60	-	39.30	39.90	-1.5
United Kingdom	43.35	-	29.94	43.95	36.29	21.1
West Germany	33.79	32.77	-	35.38	31.09	13.8
Yugoslavia	-	-	-	-	35.00	-
Other ²	-	-	39.97	39.97	42.88	-6.8
Asia Total	38.94	36.96	39.06	38.02	36.57	4.0
China (Taiwan)	39.36	37.02	34.70	37.44	34.73	7.8
Israel	37.51	36.51	-	38.59	38.55	.1
Japan	38.87	34.93	44.16	38.46	38.79	-9
Korea, Republic of	39.92	39.92	-	39.53	37.97	4.1
Other ²	38.91	-	34.99	38.92	37.10	4.9
Oceania & Australia Total	34.98	-	-	35.79	-	-
Africa Total	29.94	29.94	29.94	30.95	31.31	-1.2
Egypt	-	-	-	35.91	-	-
Other ²	29.94	29.94	29.94	30.94	31.31	-1.2
Total	36.33	35.19	37.10	36.38	37.23	-2.3
U.S. Total³	37.57	35.69	37.30	37.08	37.58	-1.3

*Rounded to zero.

¹Based on the U.S.-Canada Free Trade Agreement, as of January 1990 the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity for both coal and coke, coal type (metallurgical and steam), and value of both coal and coke are no longer strictly comparable to the historical U.S. series due to the additional time lag in reporting.

²Includes countries with exports less than or equal to 50,000 short tons in 1989.

³Average price of all steam coal exports.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 to \$50 inclusively. Steam coal includes bituminous, subbituminous, lignite, and anthracite.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 8. Metallurgical Coal Exports, August 1990
(Short Tons)

Continent and Country of Destination	August 1990	July 1990	August 1989	Year to Date		Percent Change
				1990	1989	
North America Total	814,345	706,314	801,637	3,065,613	4,087,372	-25.0
Canada ¹	814,345	706,314	801,637	3,065,398	4,068,496	-24.7
Other ²	-	-	-	215	18,876	-98.9
South America Total	396,966	519,025	601,012	4,009,710	4,372,308	-8.3
Argentina	-	35,365	11,053	326,477	480,532	-32.1
Brazil	396,966	483,660	589,959	3,628,599	3,891,776	-6.8
Chile	-	-	-	54,634	-	-
Europe Total	2,910,642	2,881,642	2,257,509	25,285,897	22,124,379	14.3
Albania	-	21,676	-	92,900	72,906	27.4
Belgium & Luxembourg	692,221	363,001	247,862	4,184,600	3,934,241	6.4
Bulgaria	-	-	-	48,890	-	-
Denmark	-	-	128,336	55,572	128,336	-56.7
Finland	46,643	-	-	95,259	51,162	86.2
France	352,743	385,580	291,505	3,549,519	3,002,983	18.2
Ireland	-	-	-	-	169,224	-
Italy	489,793	470,104	606,009	4,871,534	4,759,337	2.4
Netherlands	328,032	342,390	210,401	2,594,785	2,146,266	20.9
Norway	12,994	-	5,174	68,386	65,656	4.2
Portugal	38,524	-	-	257,646	204,231	26.2
Romania	-	70,807	128,167	1,314,975	569,550	130.9
Spain	354,817	339,162	330,172	2,394,463	2,106,356	13.7
Sweden	77,826	83,973	37,387	417,383	169,088	146.8
Turkey	77,214	411,004	56,408	1,526,390	896,641	70.2
United Kingdom	427,061	238,299	216,088	2,709,473	2,676,407	1.2
West Germany	-	-	-	481,726	325,378	48.1
Yugoslavia	12,774	149,494	-	599,592	833,565	-28.1
Other ²	-	6,152	-	22,804	13,052	74.7
Asia Total	1,329,188	1,240,959	1,215,000	9,568,275	11,140,132	-14.1
China (Taiwan)	-	114,566	124,737	321,370	446,952	-28.1
Israel	-	-	-	-	148,817	-
Japan	1,180,588	852,503	768,105	7,237,788	8,258,230	-12.4
Korea, Republic of	148,600	273,890	322,158	2,009,117	2,225,682	-9.7
Pakistan	-	-	-	-	60,451	-
Africa Total	146,633	147,361	49,503			
Algeria	46,290	44,011	-			
Egypt	100,343	48,194	49,503			
Other ²	-	55,156	-			
Total	5,597,774	5,495,301	4,924,661	42,725,755	42,716,499	-

*Rounded to zero.

¹Based on the U.S.-Canada Free Trade Agreement, as of January 1990 the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity for both coal and coke, coal type (metallurgical and steam), and value of both coal and coke are no longer strictly comparable to the historical U.S. series due to the additional time lag in reporting.

²Includes countries with exports less than or equal to 50,000 short tons in 1989.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 9. Average Price of Metallurgical Coal Exports, August 1990
(Dollars per Short Ton)

Continent and Country of Destination	August 1990	July 1990	August 1989	Year to Date		Percent Change
				1990	1989	
North America Total	\$36.76	\$39.61	\$45.49	\$37.56	\$45.87	-18.1
Canada ¹	36.76	39.61	45.49	37.56	45.91	-18.2
Other ²	-	-	-	49.93	36.38	37.3
South America Total	46.76	47.63	46.33	46.40	45.36	2.3
Argentina	-	46.86	44.74	44.29	44.61	-7
Brazil	46.76	47.69	46.36	46.57	45.46	2.5
Chile	-	-	-	48.84	-	-
Europe Total	48.62	47.76	45.93	47.06	44.81	5.0
Albania	-	-	-	48.38	43.31	11.7
Belgium & Luxembourg	49.59	48.48	48.94	47.84	44.78	6.8
Bulgaria	-	-	-	49.44	-	-
Denmark	-	-	34.97	-	34.97	-
Finland	43.68	-	-	44.72	42.41	5.4
France	47.27	44.29	46.68	44.88	43.91	2.2
Ireland	-	-	-	-	36.20	-
Italy	-	49.26	47.06	47.57	45.82	3.8
Netherlands	47.90	48.44	44.77	46.95	44.08	6.5
Portugal	48.63	-	-	45.79	42.14	8.7
Romania	-	-	45.69	48.07	44.88	7.1
Spain	49.56	-	-	47.88	46.24	3.5
Sweden	-	49.75	46.63	48.82	46.76	4.4
Turkey	43.09	47.15	42.60	45.92	43.08	6.6
United Kingdom	49.55	49.21	46.81	48.37	45.81	5.6
West Germany	-	-	-	43.59	45.06	-3.3
Yugoslavia	-	46.98	-	45.65	43.53	4.9
Asia Total	46.19	47.07	45.02	45.91	44.13	4.0
China (Taiwan)	-	47.60	46.75	47.19	45.28	4.2
Israel	-	-	-	-	39.92	-
Japan	45.82	46.47	44.27	45.34	43.66	3.8
Korea, Republic of	49.17	48.73	46.15	47.77	45.93	4.0
Africa Total	-	47.09	44.81	45.90	45.62	.6
Algeria	-	47.80	-	46.36	45.64	1.6
Egypt	-	46.45	44.81	45.74	45.60	.3
Total	45.80	46.41	45.65	45.99	44.81	2.6
U.S. Total³	46.59	46.82	46.09	46.26	44.91	3.0

¹ the U.S.-Canada Free Trade Agreement, as of January 1990 the U.S. Department of Commerce began reporting statistics on to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity for both coe, coal type (metallurgical and steam), and value of both coal and coke are no longer strictly comparable to the historical U.S. o the additional time lag in reporting.

countries with exports less than or equal to 50,000 short tons in 1989.

price of all metallurgical coal exports.

tal may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) average prices presented in this table are considered to be representative prices for coal exports and fall within the range of \$28 sively.

Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

**Table 10. Coal Exports by Customs District, August 1990
(Short Tons)**

Customs District	August 1990	July 1990	August 1989	Year to Date		Percent Change
				1990	1989	
Eastern Total	5,711,599	5,387,946	4,540,442	43,144,591	39,307,556	9.8
Baltimore, MD	230,445	658,737	544,316	5,445,073	5,880,741	-7.4
Portland, ME	-	289	-	782	159	391.8
Buffalo, NY	1,740	18,261	1,208	47,111	30,699	53.5
New York City, NY	562	1,161	-	5,301	1,471	260.4
Ogdensburg, NY	1,966	223	1,116	11,252	7,341	53.3
Philadelphia, PA	426,714	324,769	200,921	2,090,080	1,421,777	47.0
Norfolk, VA	5,050,172	4,384,506	3,792,881	35,544,992	31,965,368	11.2
Southern Total	1,829,208	1,954,723	1,340,253	15,082,904	12,883,072	17.1
Mobile, AL	417,446	549,472	535,894	5,478,034	5,602,925	-2.2
Savannah, GA	-	-	-	-	725	-
Miami, FL	224	164	340	702	1,957	-64.1
Tampa, FL	-	-	-	18,099	-	-
New Orleans, LA	1,268,693	1,348,524	753,925	8,599,112	6,786,442	26.7
Wilmington, NC	-	-	-	-	70,417	-
Charleston, SC	52,635	17,496	45,591	767,660	352,364	117.9
Houston-Galveston, TX	29,072	9,095	-	97,913	31,252	213.3
Laredo, TX	61,138	29,972	4,503	121,384	36,990	228.2
Western Total	395,682	138,015	385,598	1,719,677	1,892,579	-9.1
Anchorage, AK	75,874	85,903	-	480,183	367,913	30.5
Nogales, AZ	-	-	-	2,673	-	-
Los Angeles, CA	294,436	-	367,932	1,085,600	1,372,408	-20.9
San Diego, CA	117	608	-	3,116	3,538	-11.9
San Francisco, CA	-	43,422	14,595	99,336	33,333	198.0
Great Falls, MT	131	-	-	131	98	33.7
Portland, OR	-	-	-	3,989	576	NM
Seattle, WA	25,124	8,082	3,071	44,649	114,713	-61.1
Northern Total	2,126,357	1,710,824	1,855,307	9,407,902	10,121,263	-7.0
Chicago, IL	7,584	-	-	16,266	-	-
Detroit, MI	133,714	350,747	5,293	3,063,449	26,578	NM
Duluth, MN	262,651	-	-	292,502	61,071	379.0
Pembina, ND	-	-	-	87	14,540	-99.4
Cleveland, OH	1,722,408	1,360,077	1,850,014	5,969,506	10,019,074	-40.4
Milwaukee, WI	-	-	-	66,092	-	-
Total	10,064,856	9,193,792	8,121,600	69,374,487	64,204,470	8.1

^{NM}Percent change calculation not meaningful as value is greater than 500.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report of Coal Exports."

Table 11. Coke Exports, August 1990
(Short Tons)

Continent and Country of Destination	August 1990	July 1990	August 1989	Year to Date		Percent Change
				1990	1989	
North America Total	57,973	14,788	43,977	268,564	365,856	-26.6
Canada ¹	51,224	9,744	29,710	195,186	254,772	-23.4
Mexico	6,749	4,989	14,217	72,370	110,291	-34.4
Other ²	-	55	50	1,008	793	27.1
South America Total	-	-	2,493	46,331	76,013	-39.0
Venezuela	-	-	2,493	34,355	53,701	-36.0
Other ²	-	-	-	11,976	22,312	-46.3
Europe Total	-	6	22,373	33,665	72,390	-53.5
Asia Total	-	-	-	-	95,968	-
Japan	-	-	-	-	71,756	-
Other ²	-	-	-	-	24,212	-
Total	57,973	14,794	68,843	348,560	610,227	-42.9

¹Based on the U.S.-Canada Free Trade Agreement, as of January 1990 the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government. For this reason the quantity for both coal and coke, coal type (metallurgical and steam), and value of both coal and coke are no longer strictly comparable to the historical U.S. series due to the additional time lag in reporting.

²Includes countries with exports less than or equal to 50,000 short tons in 1989.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 522."

Table 12. Coal Imports, August 1990
(Short Tons)

Continent and Country of Origin	August 1990	July 1990	August 1989	Year to Date		Percent Change
				1990	1989	
North America Total	24,854	100,626	122,390	629,846	743,923	-15.3
Canada	24,854	100,626	115,337	623,642	702,929	-11.3
Mexico	-	-	7,053	6,204	40,994	-84.9
South America Total	94,996	94,078	113,387	1,093,689	1,037,753	5.4
Colombia	94,996	94,078	113,387	909,320	885,536	2.7
Venezuela	-	-	-	184,369	152,217	21.1
Europe Total	-	5,261	11,198	5,261	11,198	-53.0
Netherlands	-	-	11,198	-	11,198	-
Norway	-	46	-	46	-	-
United Kingdom	-	5,215	-	5,215	-	-
Asia Total	-	-	-	-	47,745	-
China (Peking)	-	-	-	-	47,694	-
Korea, Republic of	-	-	-	-	51	-
Total	119,850	199,965	246,975	1,728,796	1,840,619	-6.1

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

Table 13. Average Price of Coal Imports, August 1990
(Dollars per Short Ton)

Continent and Country of Origin	August 1990	July 1990	August 1989	Year to Date		Percent Change
				1990	1989	
North America Total	\$21.46	\$24.29	\$27.83	\$24.64	\$26.63	-7.5
Canada	21.46	24.29	27.46	24.46	26.43	-7.4
Mexico	-	-	33.61	38.36	29.66	29.4
South America Total	37.53	33.62	37.29	37.95	34.46	10.1
Colombia	37.53	33.62	37.29	37.35	34.74	7.5
Venezuela	-	-	-	40.89	32.89	24.3
Europe Total	-	37.19	44.34	37.19	44.34	-16.1
Netherlands	-	-	44.34	-	44.34	-
United Kingdom	-	37.19	-	37.19	-	-
Total	34.63	30.21	33.06	33.87	31.55	7.4
U.S. Total¹	35.72	29.58	33.85	33.94	34.49	-1.6

¹Average price of all coal imports.

Note: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. The average prices presented in this table are considered to be representative prices for coal imports and fall within the range of \$20 to \$50 inclusively.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

Table 14. Coal Imports by Customs District, August 1990
(Short Tons)

Customs District	August 1990	July 1990	August 1989	Year to Date		Percent Change
				1990	1989	
Eastern Total	-	-	135,825	249,690	352,339	-29.1
Boston, MA	-	-	-	99,723	-	-
Baltimore, MD	-	-	108,940	-	258,274	-
Portland, ME	-	-	-	115,011	-	-
Buffalo, NY	-	-	26,849	69	26,849	-99.7
Ogdensburg, NY	-	-	36	45	54	-16.7
Philadelphia, PA	-	-	-	34,842	67,162	-48.1
Southern Total	94,996	99,339	22,698	889,203	799,273	11.3
Tampa, FL	35,802	94,078	-	646,589	508,799	27.1
Wilmington, NC	-	46	-	46	-	-
San Juan, PR	34,943	-	-	176,072	233,854	-24.7
Houston-Galveston, TX	-	5,215	15,645	5,215	15,645	-66.7
Laredo, TX	-	-	7,053	6,204	40,975	-84.9
Virgin Islands	24,251	-	-	55,077	-	-
Western Total	4,001	4,382	3,187	60,151	122,387	-50.9
San Diego, CA	-	-	-	-	19	-
San Francisco, CA	-	-	-	-	47,745	-
Great Falls, MT	4,001	4,382	3,187	34,184	66,857	-48.9
Seattle, WA	-	-	-	25,967	7,766	234.4
Northern Total	20,853	96,244	85,265	529,752	566,620	-6.5
Chicago, IL	-	33,131	56,601	177,937	297,884	-40.3
Duluth, MN	-	-	-	-	431	-
Pembina, ND	20,853	63,113	28,664	351,815	251,691	39.8
Cleveland, OH	-	-	-	-	16,614	-
Total	119,850	199,965	246,975	1,728,796	1,840,619	-6.1

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

Table 15. Coke Imports, August 1990
(Short Tons)

Continent and Country of Origin	August 1990	July 1990	August 1989	Year to Date		Percent Change
				1990	1989	
North America Total	26,753	18,032	3,370	107,238	195,911	-45.3
Canada	26,753	18,032	3,370	85,451	195,434	-56.3
Mexico	-	-	-	21,787	477	NM
Europe Total	-	-	85,485	39,572	748,772	-94.7
Belgium & Luxembourg	-	-	-	-	98,283	-
France	-	-	-	-	36,872	-
Italy	-	-	-	39,572	-	-
Netherlands	-	-	-	-	17,244	-
Poland	-	-	15,514	-	87,761	-
United Kingdom	-	-	-	-	56,201	-
West Germany	-	-	69,971	-	404,564	-
Yugoslavia	-	-	-	-	47,847	-
Asia Total	-	83,172	81,452	206,158	635,469	-67.6
China (Peking)	-	-	-	-	67,054	-
Japan	-	83,172	81,452	206,158	568,415	-63.7
Oceania & Australia Total	-	44,029	-	134,475	463,851	-71.0
Australia	-	44,029	-	134,475	463,851	-71.0
Total	26,753	145,233	170,307	487,443	2,044,003	-76.2

^{NM}Percent change calculation not meaningful as value is greater than 500.

Note: Total may not equal sum of components because of independent rounding.

Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

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